

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



TITLE: COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS

INVENTORS NAME: Keith V. Wood et al.

SERIAL NO.: 10/768,976

1/20

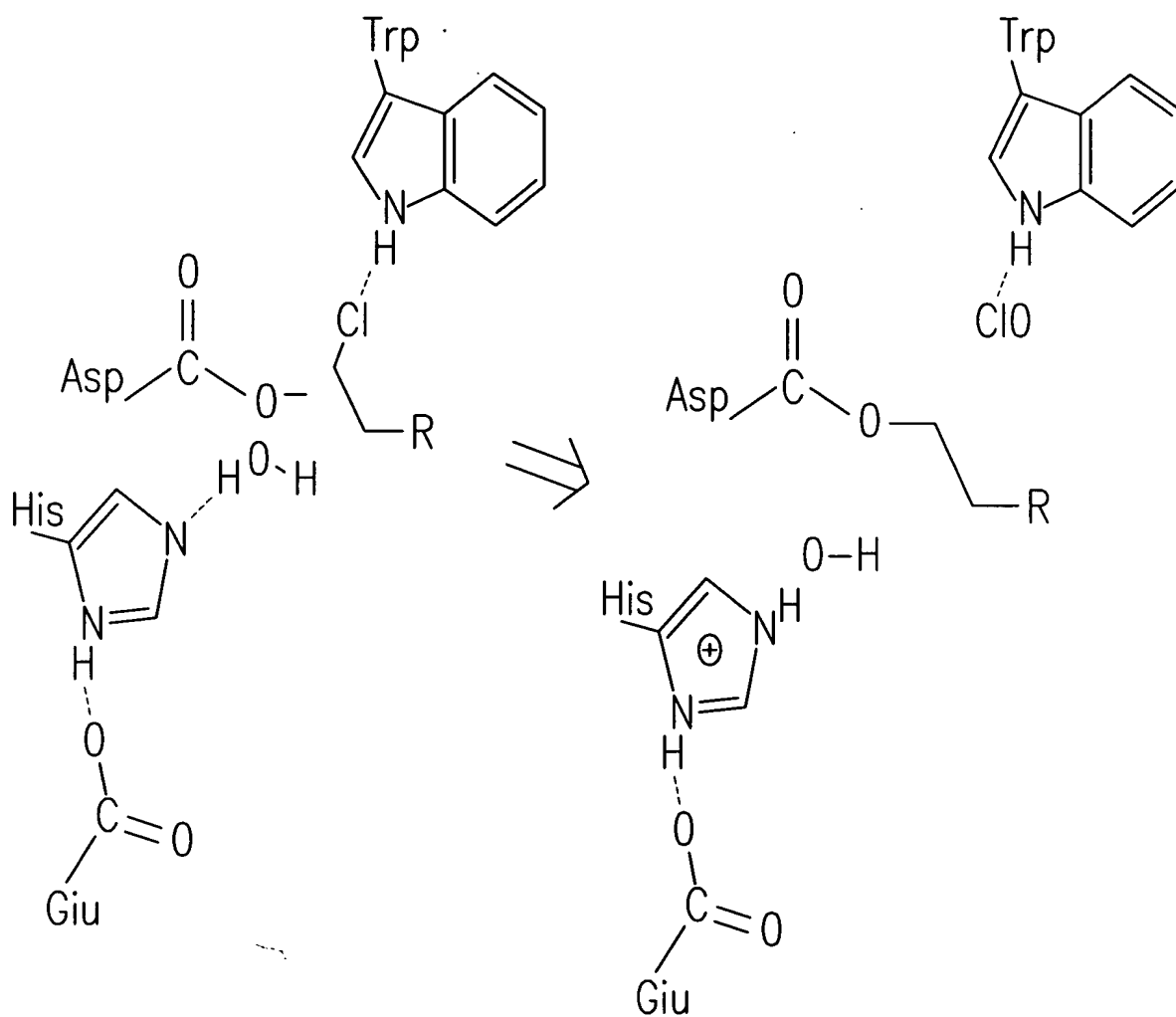


FIG. 1



FIG. 2A

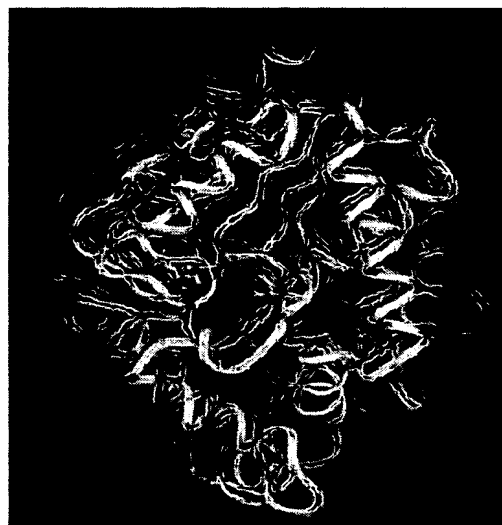


FIG. 2B

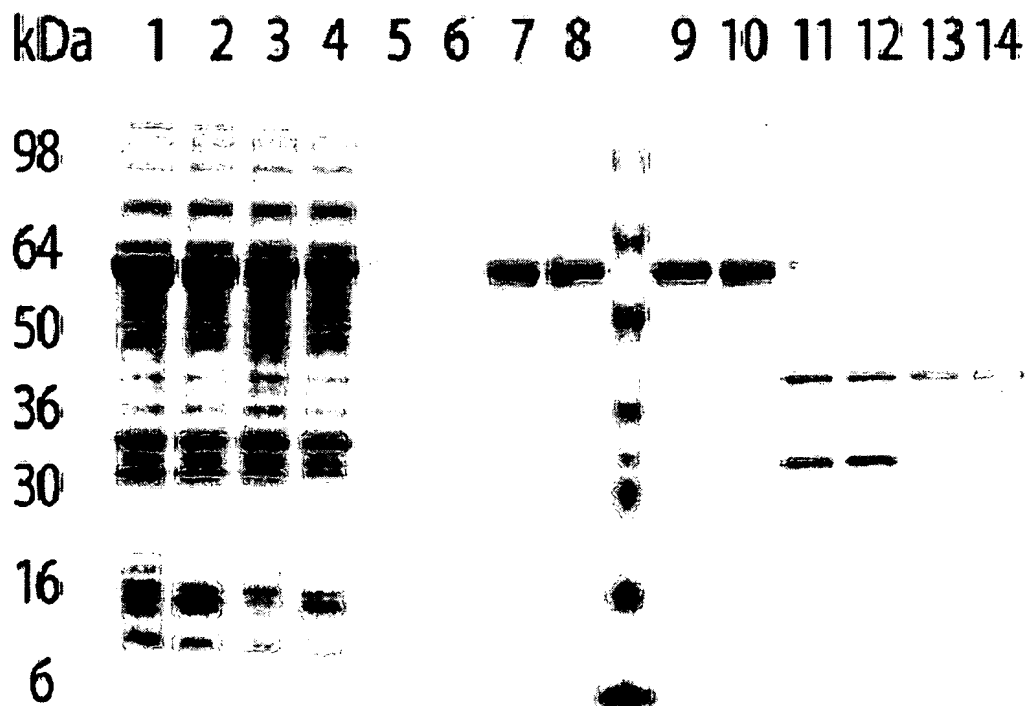


FIG. 3

3/20

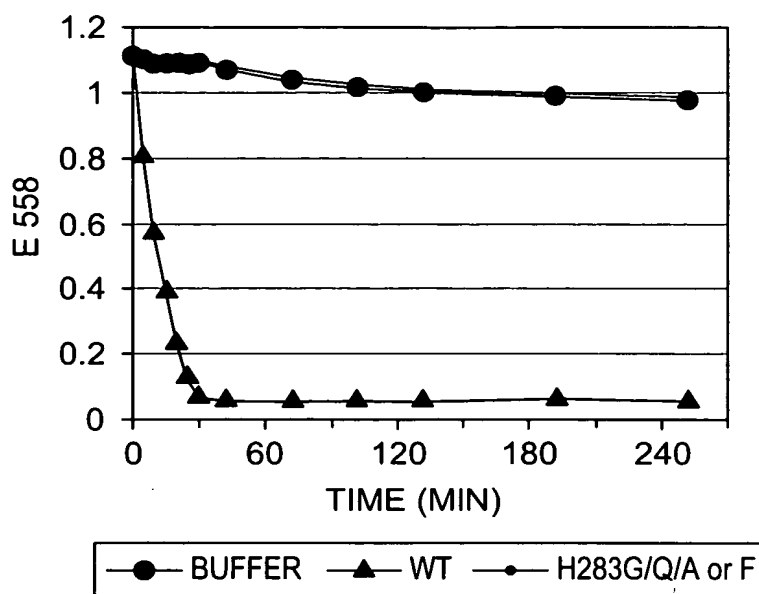


FIG. 4

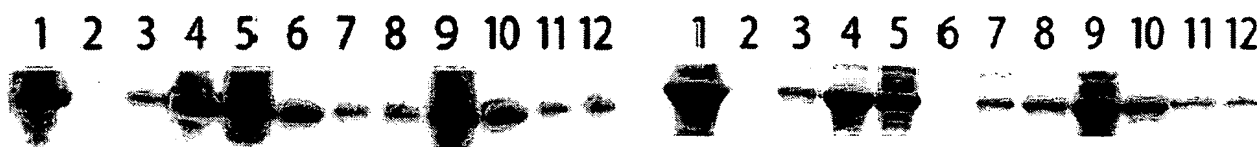


FIG. 5A

FIG. 5B

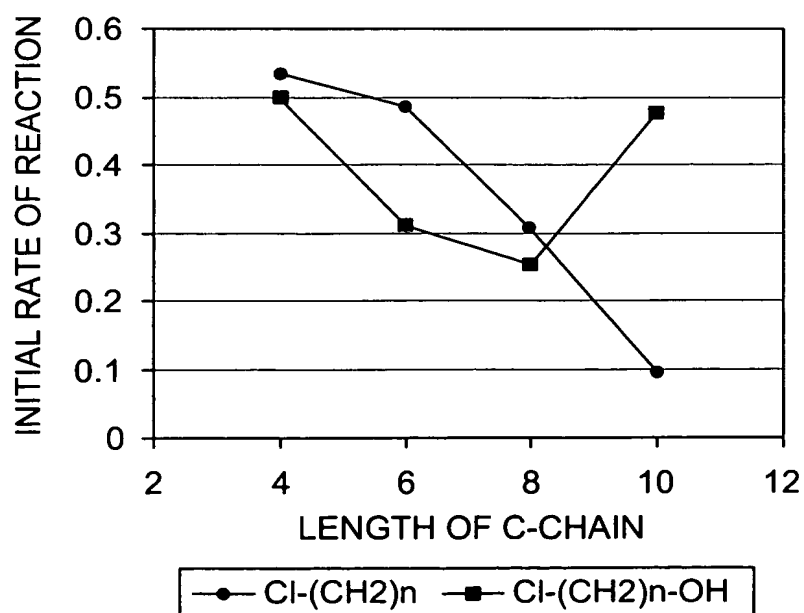


FIG. 6

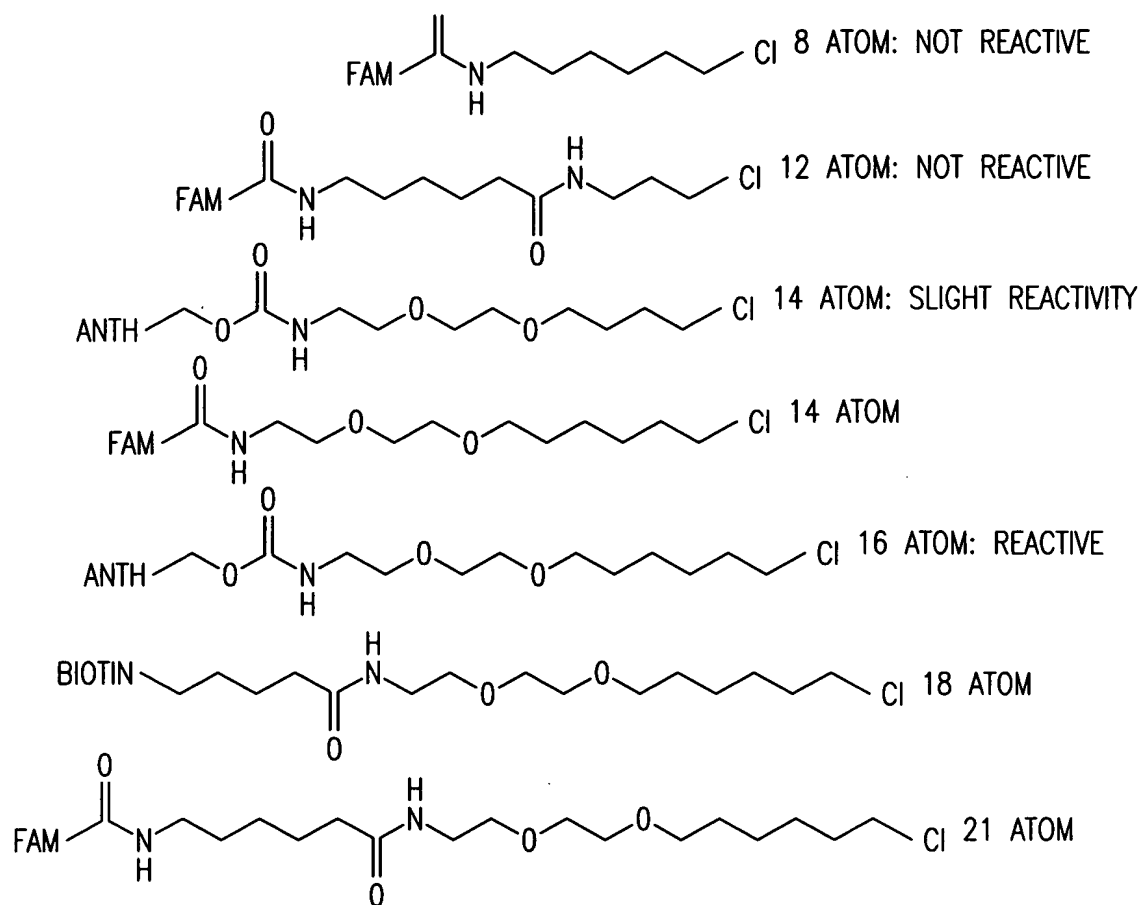


FIG. 7

5/20

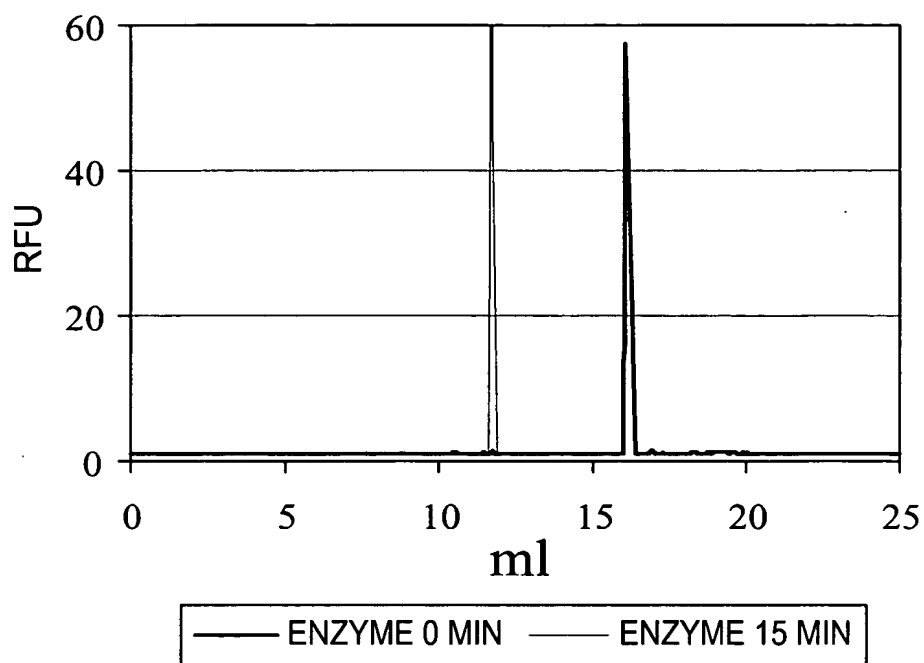


FIG. 8A

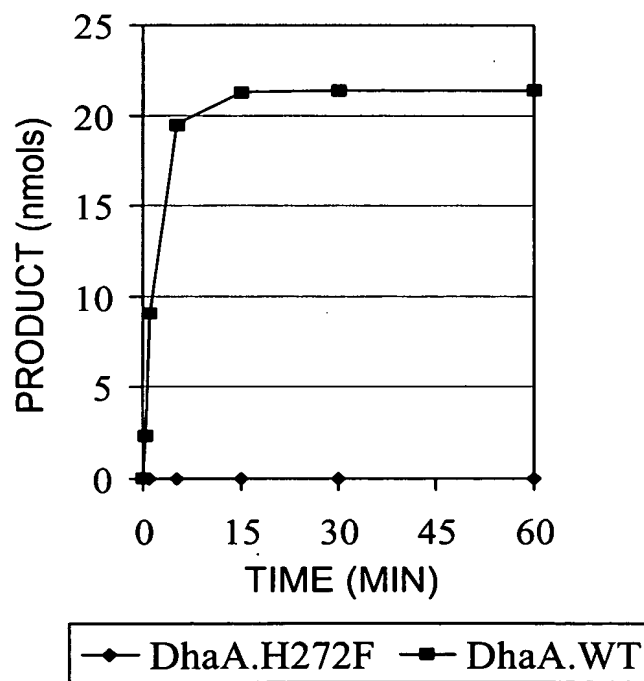


FIG. 8B

6/20

1 2 3 4 5 6



FIG. 9A

1 2 3 4 5 6 7 8 9 10 11 12 13 14



FIG. 9B

1 2 3 4 5 6 7 8 9 10



FIG. 10

TITLE: COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS

INVENTORS NAME: Keith V. Wood et al.

SERIAL NO.: 10/768,976

7/20

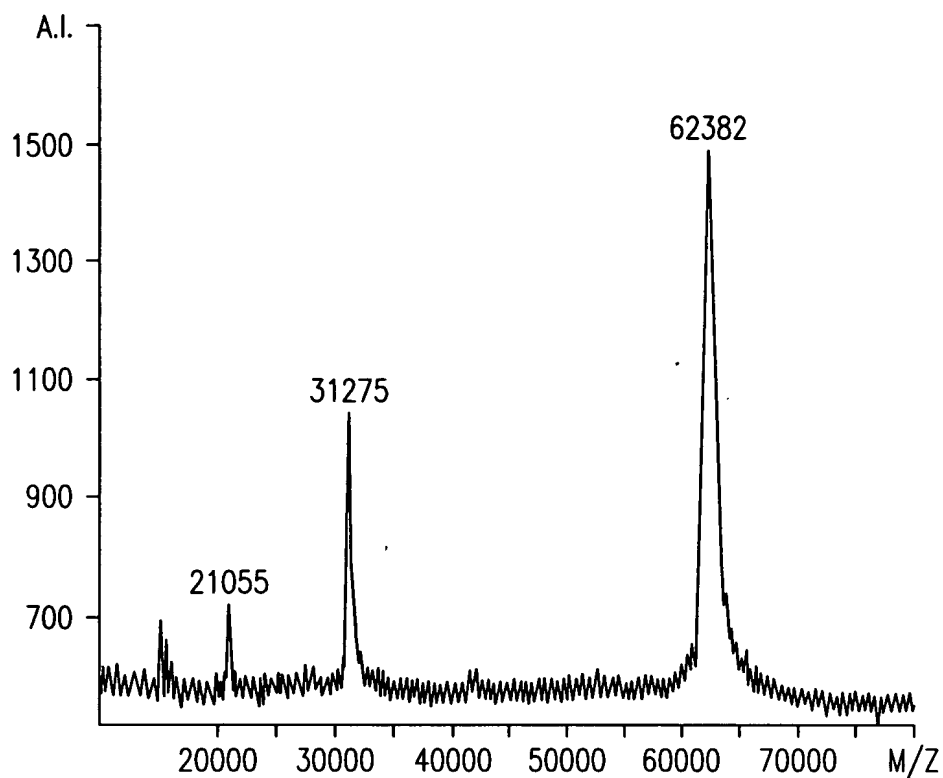


FIG. 11A

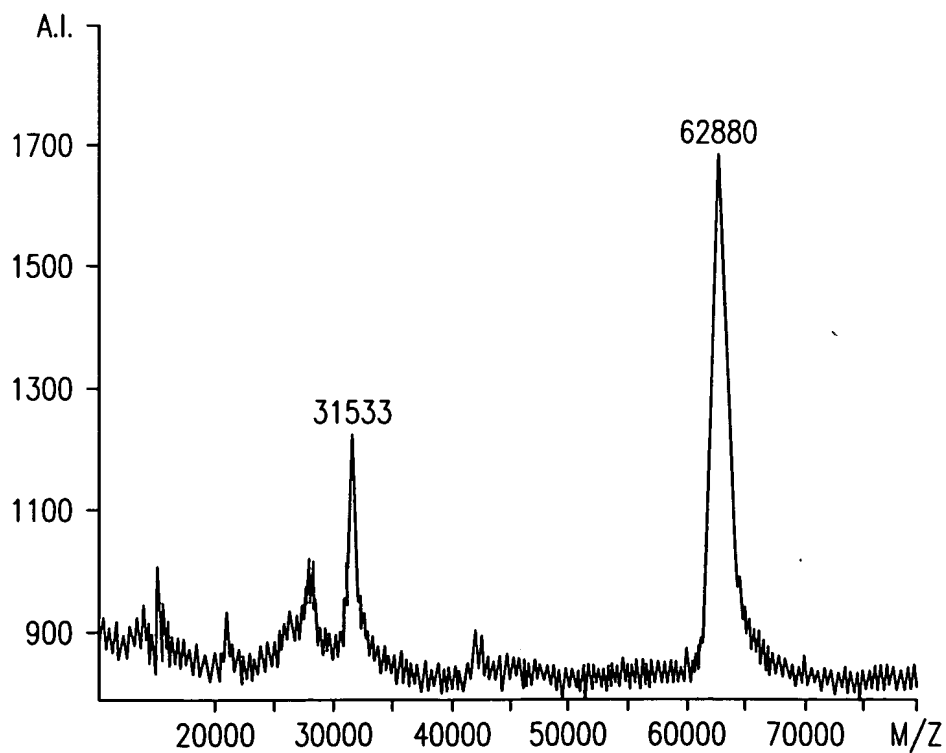


FIG. 11B

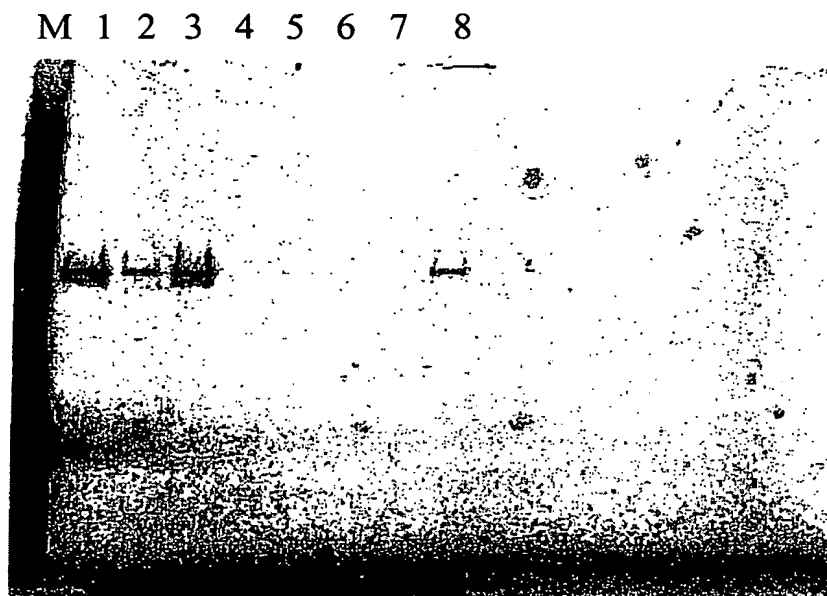


FIG. 12

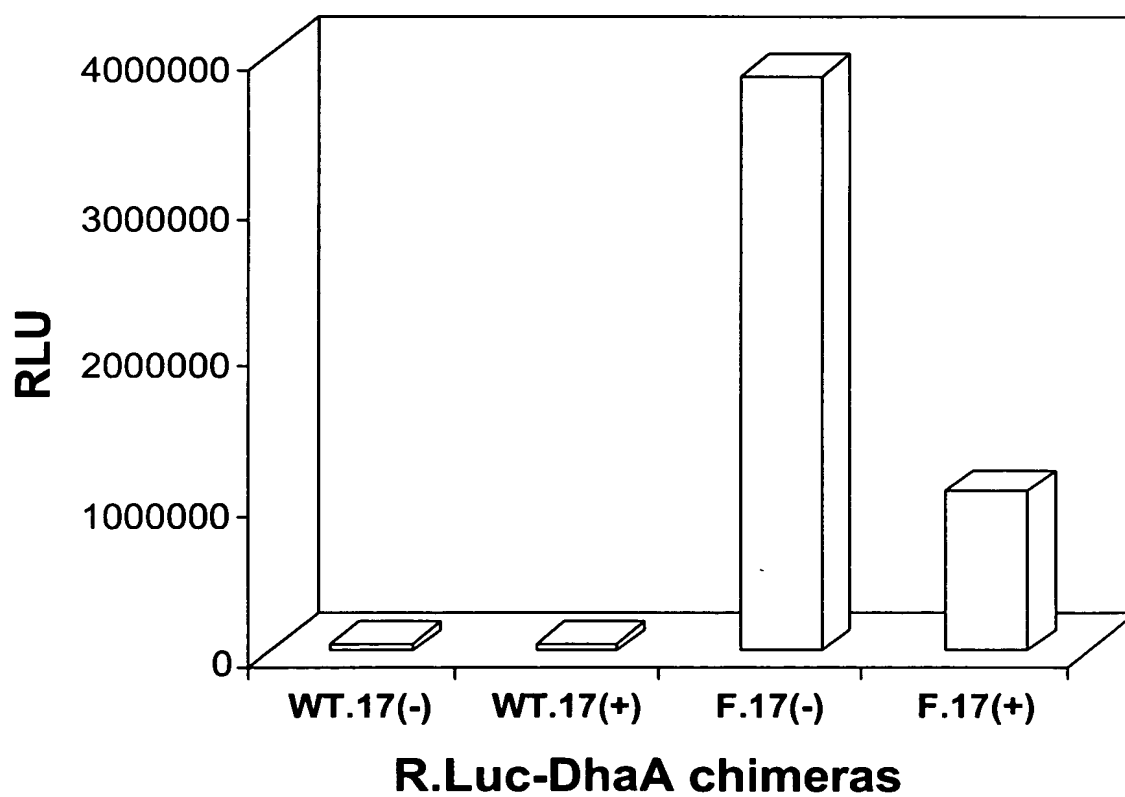


FIG. 13

1 2 3 4 5 6 7



FIG. 14A

1 2 3 4 5 6 7 8

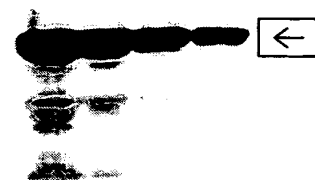


FIG. 14B

1 2 3 4 5 6 7 8



FIG. 15

10/20

LIGHT MICROSCOPE IMAGE



FIG. 16A

FLUORESCENT IMAGE,
CHO-K1 CELLS WITH
TMR-CONJUGATED SUBSTRATE;
PRIOR TO WASH STEP

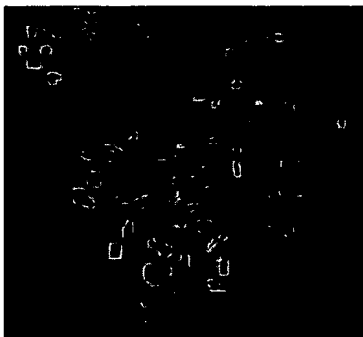


FIG. 16B

FLUORESCENT IMAGE,
CHO-K1 CELLS WITH
TMR-CONJUGATED SUBSTRATE;
AFTER WASH STEP



FIG. 16C

CHO-K1 EXPRESSING
GFP-WT FUSION,
UNDER LIGHT MICROSCOPE

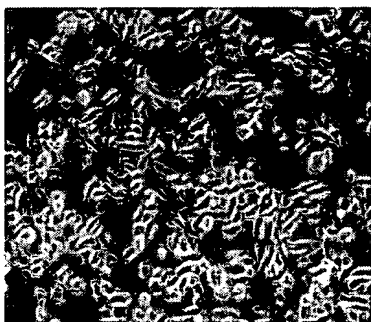


FIG. 17A

CHO-K1 EXPRESSING
GFP-WT FUSION,
WITH GFP FILTER SET

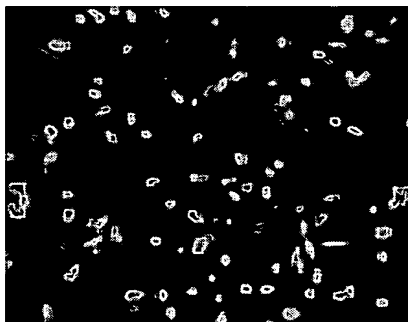


FIG. 17B

CHO-K1 EXPRESSING
GFP-WT FUSION,
WITH TMR FILTER SET

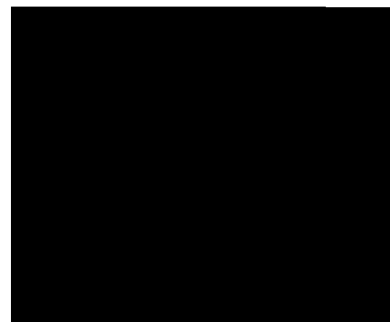


FIG. 17C

CHO-K1 EXPRESSING
GFP-H272F FUSION,
UNDER LIGHT MICROSCOPE

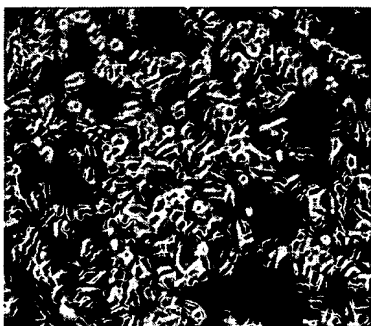


FIG. 17D

CHO-K1 EXPRESSING
GFP-H272F FUSION,
UNDER GFP FILTER SET

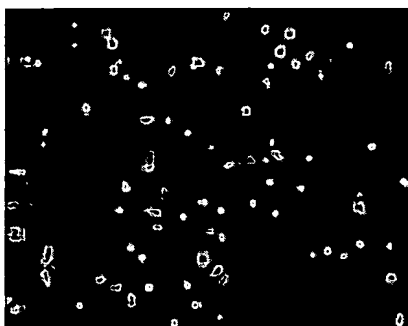


FIG. 17E

CHO-K1 EXPRESSING
GFP-H272F FUSION,
UNDER TMR FILTER SET



FIG. 17F

1 2 3 4 5 6 7 8



FIG. 18

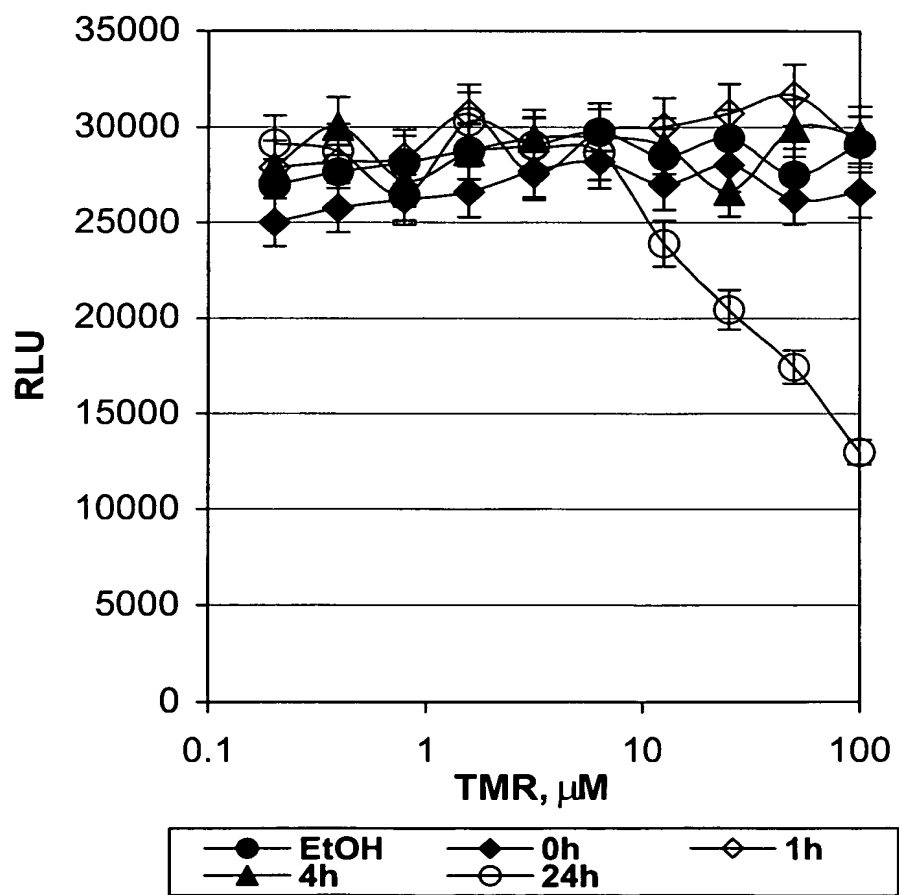


FIG. 19A

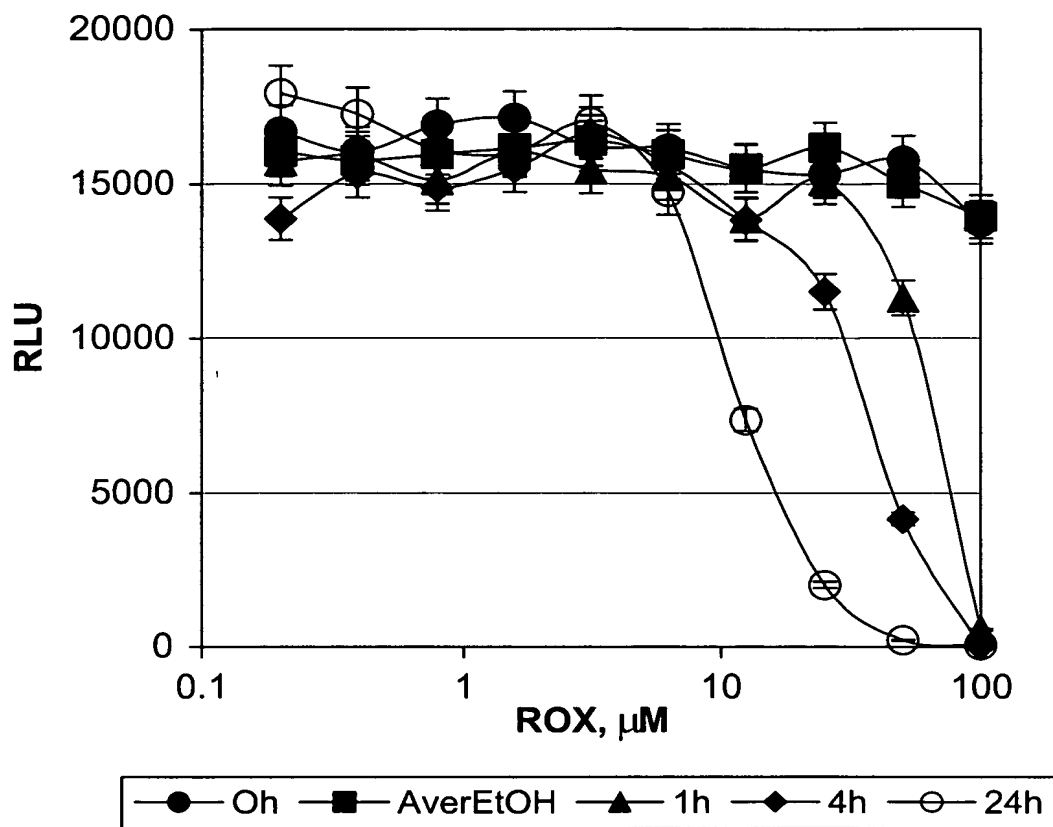


FIG. 19B

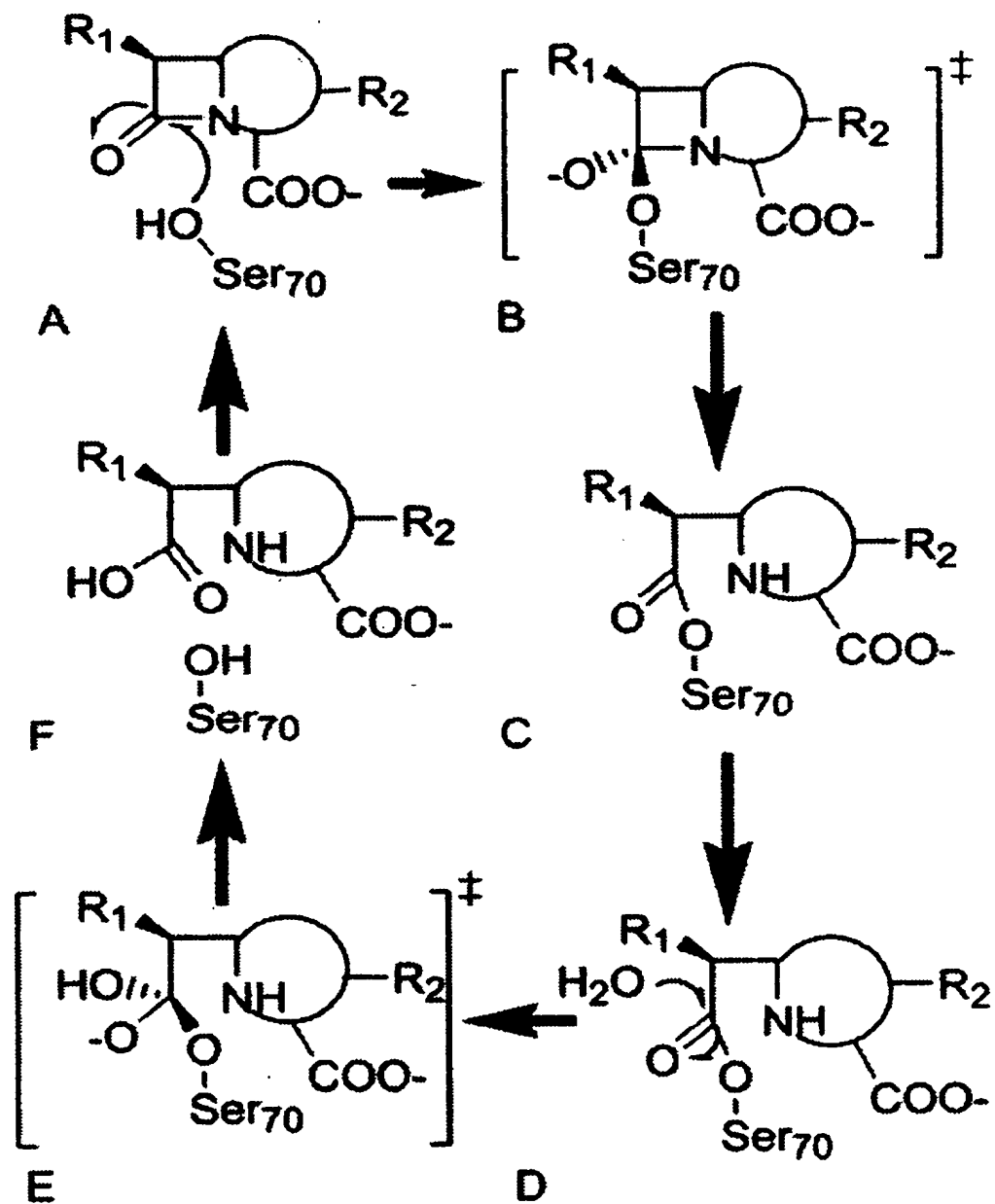


FIG. 20

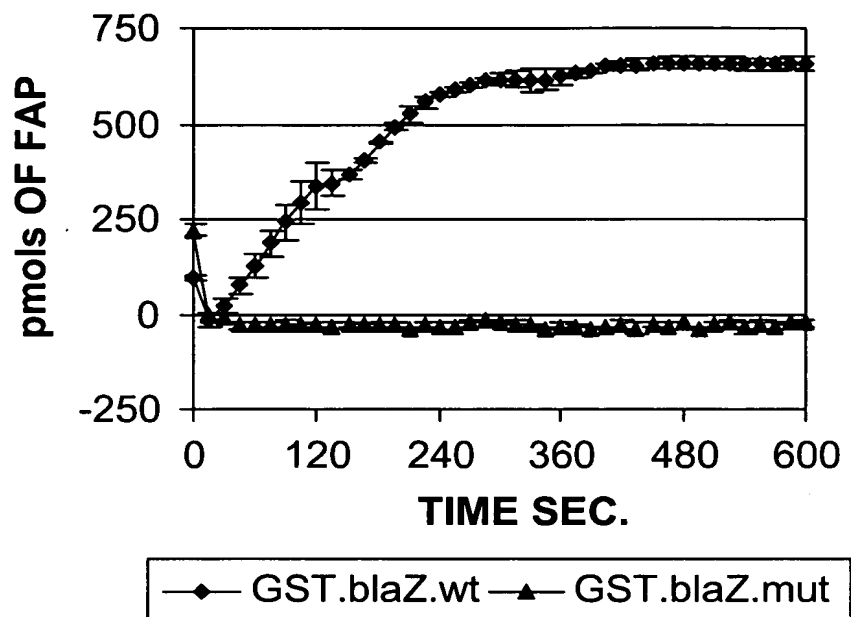


FIG. 21

TITLE: COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS

INVENTORS NAME: Keith V. Wood et al.

SERIAL NO.: 10/768,976

15/20

1 2 3 4 5



FIG. 22

1 2 3 4 5

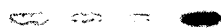


FIG. 23

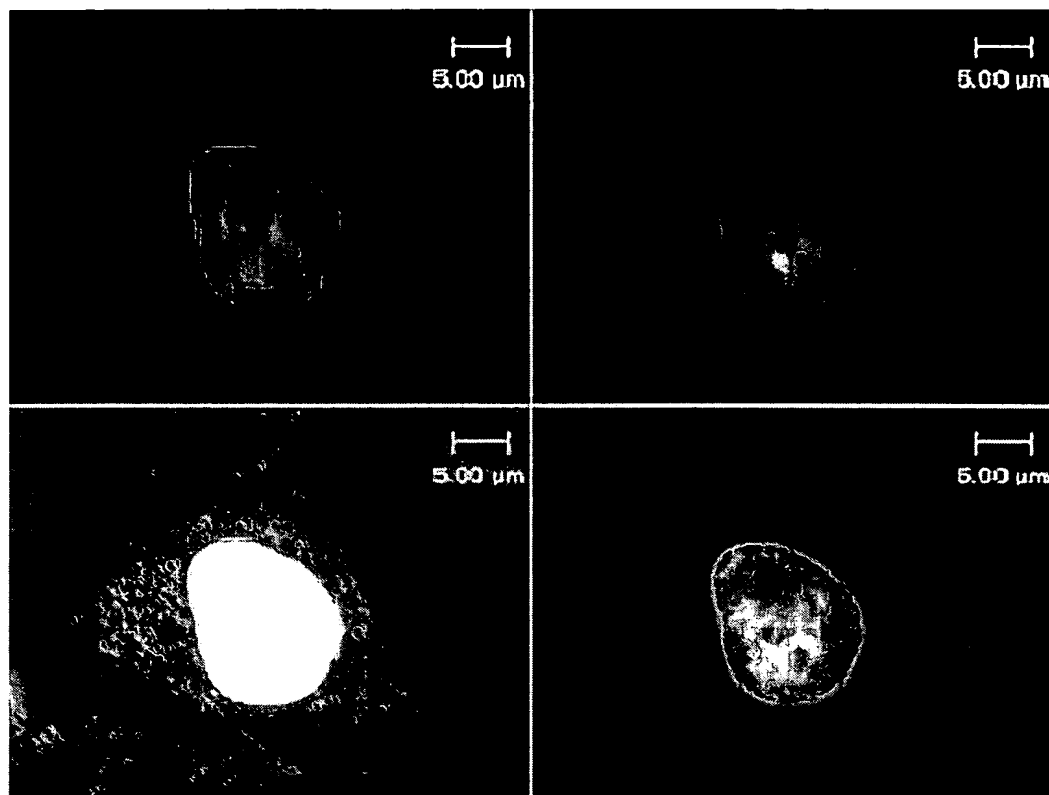


FIG. 24

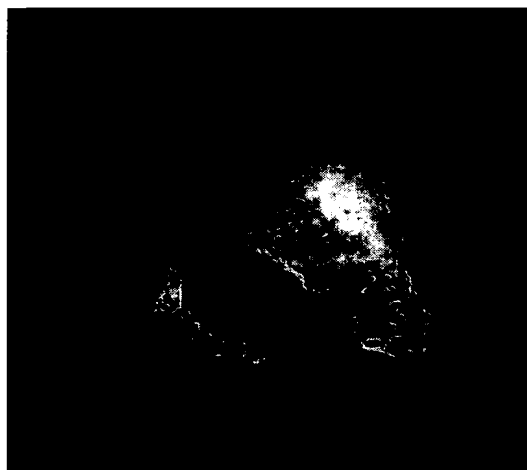


FIG. 25A



FIG. 25B

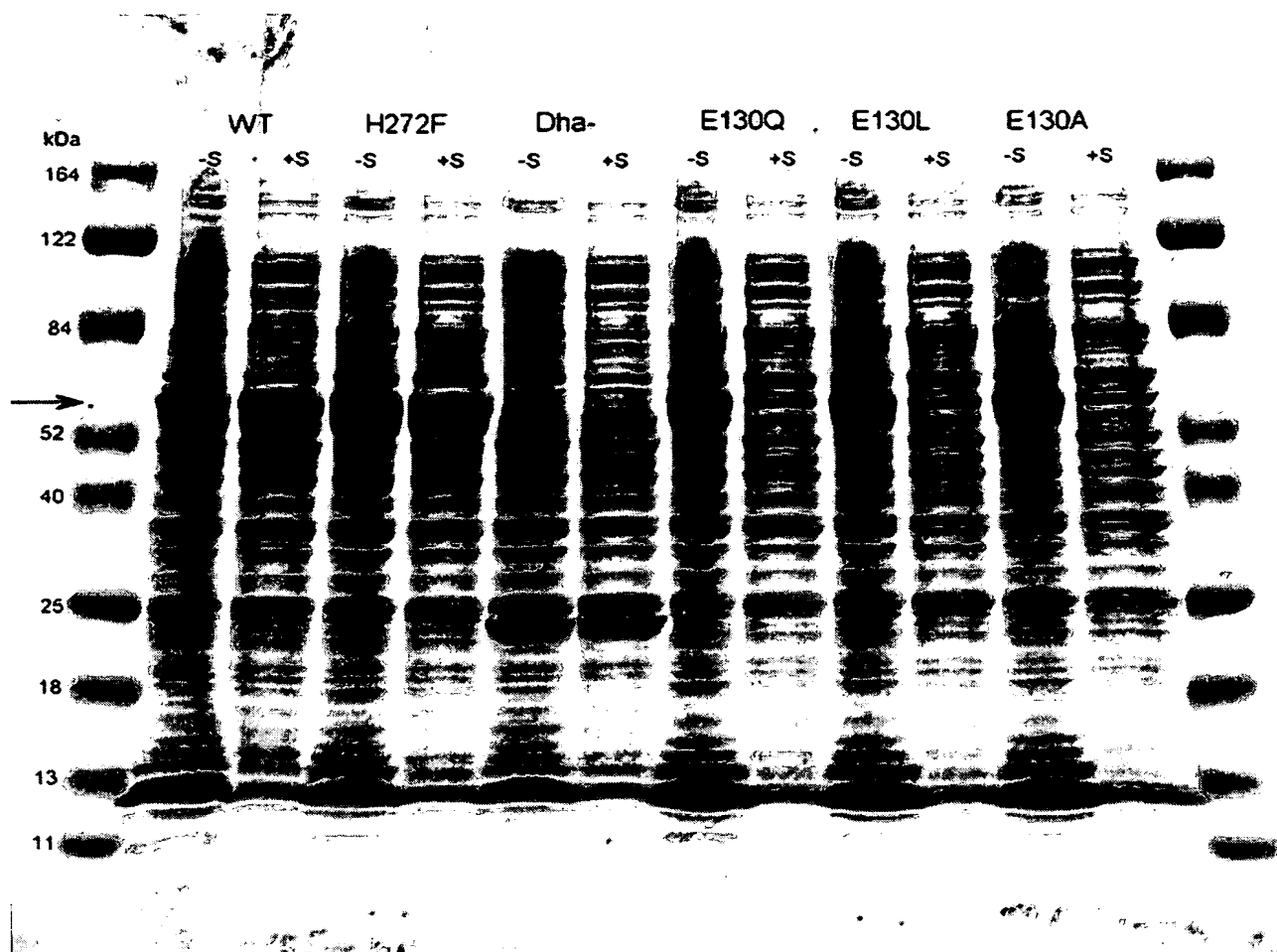


FIG. 26

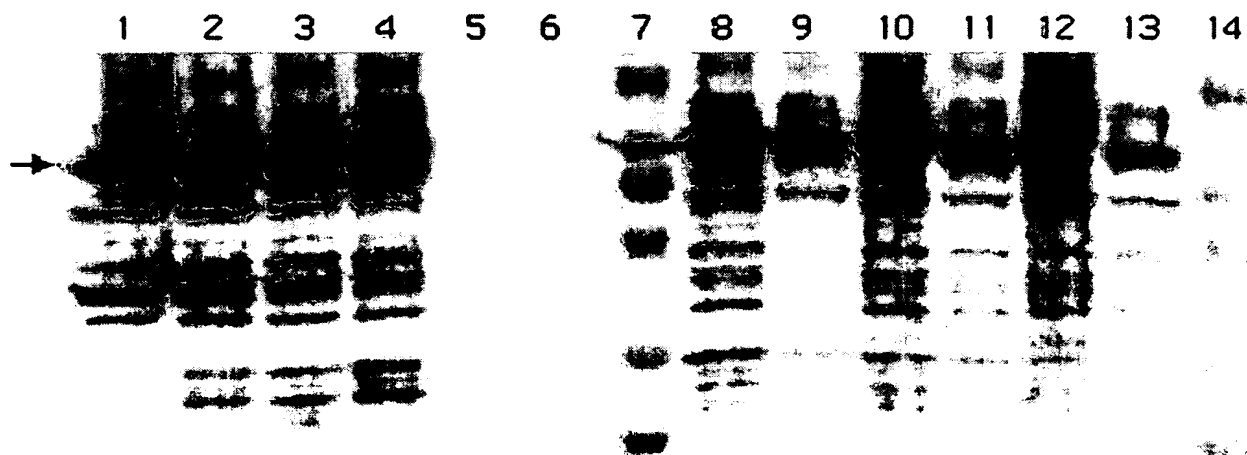


FIG. 27



FIG. 28

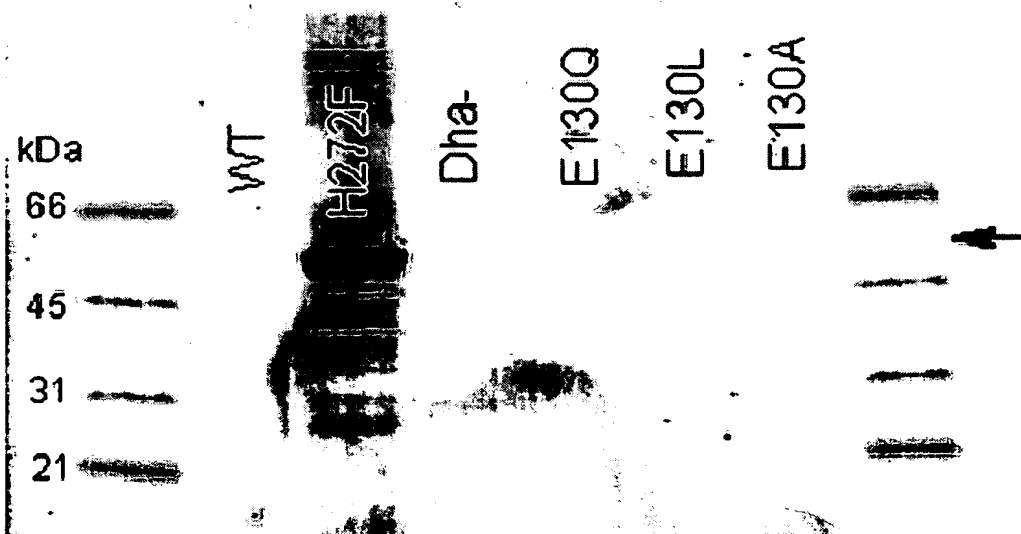


FIG. 29

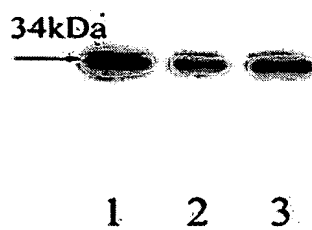


FIG. 30A



FIG. 30B

TITLE: COVALENT TETHERING OF FUNCTIONAL GROUPS TO PROTEINS

INVENTORS NAME: Keith V. Wood et al.

SERIAL NO.: 10/768,976

20/20

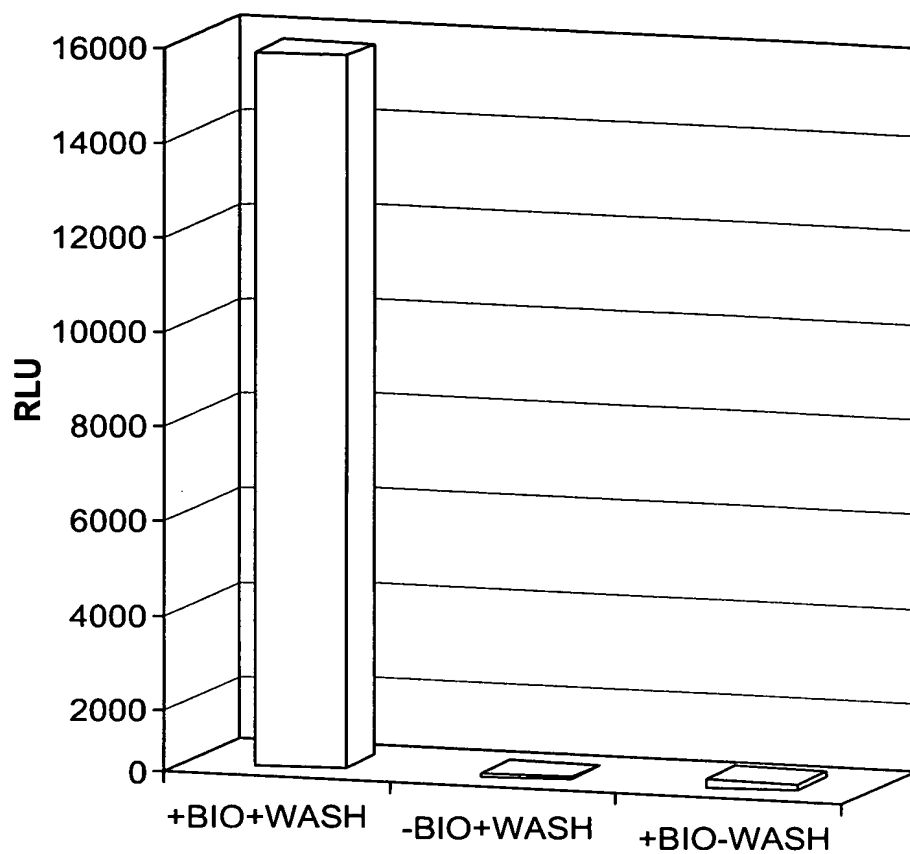
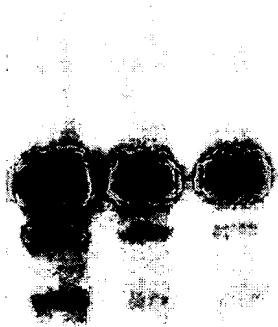


FIG. 30C



1 2 3

FIG. 30D